PRODUCT BULLETIN

Product(s):	Fabius GS
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Subject: Release of SW Version 1.38 for Fabius GS (Japan/China)

In an effort to improve the performance and market acceptance of the Fabius GS, we are releasing SW Version 1.38. This SW will be built into all new production units for Japan and China.

The SW changes are based directly on your input and our customer feedback. Please continue this communication process and let us know how the Fabius GS can gain further acceptance in the marketplace.

Following is a list of the changes found in SW Version 1.38:

➔ Eliminate "Vent Fail" alarm caused by an external gas analyzer that is sampling gas out of an occluded breathing circuit

In SW 1.38, the ventilator piston is parked at the top of the ventilator in Sleep Mode. If an external gas analyzer is sampling gas out of an occluded circuit, it will ultimately open the ambient air valve. Because the ventilator is parked at the top, the external gas analyzer will no longer be able to draw the diaphragm towards the top of the ventilator. In addition, the timeout from Standby Mode to Sleep Mode is reduced from 5.0 minutes to 2.5 minutes.

➔ Correct Leak Test Instructions to allow for different markings on new APL valve

The old APL valve had a mark indicating 50mbar that was referenced in the on-screen instructions of the Leak/Compliance Test. Because the new APL valve has a 40mbar mark but not a 50mbar mark, the Leak/Compliance Test Instructions were changed to read “adjust APL valve pressure to 40-50mbar.”

➔ Clear tidal volume data immediately after a flow sensor disconnect

In the event of a flow sensor disconnect, tidal volume data is now cleared immediately to provide very quick notification to the user.

➔ Enhance the geometry and highlighting of the softkeys

The geometry (especially edges) of the softkeys has been improved to provide a crisper and cleaner look. Furthermore, the highlighted areas (reverse video) of the softkeys are now symmetrical with each ventilator key.

➔ Eliminate the possibility of triggering a "Fresh Gas Low" alarm during start of Pressure Control Ventilation in pediatric patients

In SW 1.33, the piston always started at the bottom during Pressure Control ventilation. In the event a pediatric breathing bag was used and the Fabius GS was switched from Man/Spont to Pressure Control, the initial downward stroke of the piston was potentially large enough to empty the pediatric breathing bag. In SW 1.38, the starting position of the ventilator in Pressure Control will be a function of the set Respiratory Rate. When a high respiratory rate is selected, the piston will no longer drive all the way to the bottom.

➔ Adjust small tidal volumes for volume coming from the vent hose

When using the Fabius GS with SW 1.33 on neonatal/pediatric patients, the set tidal volume (=delivered tidal volume) and the measured tidal volume would sometimes show a rather large discrepancy (for example, set tidal volume of 20mL and measured tidal volume of 35mL). This discrepancy was due to a small volume of gas being trapped in the ventilator hose. SW 1.38 compensates for this volume of gas and will ensure that the set and measured values match more closely.

➔ Correct inconsistency when switching rapidly between Pressure Mode and Volume Mode

When changing back and forth rapidly between Pressure Mode and Volume Mode (fewer than three breaths occur before switching back to the original mode), erroneous settings were displayed because the average Plateau pressure used was incorrect. This has been corrected in SW 1.38.

Please contact Jens Boy at ext. 2271 with any questions.

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